

IN THE CLAIMS

1-21 (canceled)

22. (currently amended) A method of conducting polymerizations in nonaqueous miniemulsions,

comprising producing a nonaqueous miniemulsion comprising reactants of a polymerization in a nonaqueous fluid dispersing medium, a surfactant and an osmotically stabilizing component, and polymerizing said reactants, wherein said miniemulsion contains not greater than 10% by weight water, wherein a miniemulsion is formed from a disperse phase of polar reactants in a continuous apolar organic phase and wherein said osmotically stabilizing component is a hydrophilic substance.

23. (previously presented) The method as claimed in claim 22, wherein the polymerization is selected from addition polymerization reactions, polyaddition reactions, and polycondensation reactions.

24. (previously presented) The method as claimed in claim 23, wherein the polymerization comprises an addition polymerization of acrylic or styrene monomers.

25. (previously presented) The method as claimed in claim 23, wherein the polymerization comprises a polyaddition of polyfunctional epoxides with at least one of hydroxy, amino and thiol compounds.

26. (previously presented) The method as claimed in claim 23, wherein the polymerization comprises a polyaddition of polyfunctional isocyanates with at least one polyfunctional hydroxy or amino compounds.

27. (previously presented) The method as claimed in claim 23, wherein the polymerization comprises a polycondensation of polyfunctional carboxylic acids with polyfunctional hydroxy or amino compounds.

28. (canceled)

29. (canceled)

30. (previously presented) ~~The method as claimed in claim 22 A method of conducting polymerizations in nonaqueous miniemulsions,~~

comprising producing a nonaqueous miniemulsion comprising reactants of a polymerization in a nonaqueous fluid dispersing medium, a surfactant and an osmotically stabilizing component, and polymerizing said reactants, wherein said miniemulsion contains not greater than 10% by weight water, wherein a miniemulsion is formed from a disperse phase of apolar reactants in a continuous polar organic phase and wherein said osmotically stabilizing component is a hydrophobic substance.

31. (canceled)

32. (previously presented) The method as claimed in claim 30 31, wherein the osmotically stabilizing component is added in an amount of from 0.1 to 40% by weight based on the overall weight of the emulsion.

33. (previously presented) The method as claimed in claim 32, wherein the average particle size of the emulsion is situated in the range from 30 to 600 nm.

34. (previously presented) The method as claimed in claim 33, wherein an emulsion is produced which is critically stabilized or thermodynamically stable with respect to an alteration in particle size.

35. (previously presented) The method as claimed in claim 34, wherein the emulsion further comprises dispersed therein particulate solids.

36. (previously presented) The method as claimed in claim 35, wherein the polymerization takes place without substantial alteration in the particle size.

37. (previously presented) The method as claimed in claim 22, wherein an inorganic polymerization is conducted in which a miniemulsion is produced from at least one of the reactants of an inorganic polymerization and is reacted.

38. (currently amended) The method as claimed in claim 22, wherein the inorganic polymerization comprises a step of preparation of metal salt particles, metal oxide particles or metal sulfide particles.

39. (previously presented) The method as claimed in claim 37, wherein a miniemulsion is formed from a disperse phase of an apolar reactant in a continuous polar organic phase.

40. (previously presented) The method as claimed in claim 37, wherein a miniemulsion is formed from a disperse phase of a polar reactant in a continuous apolar organic phase.

41. (previously presented) The method as claimed in 37, wherein the reaction takes place by addition of a further reactant of the inorganic polymerization by way of the continuous phase of the emulsion.

42. (previously presented) The method as claimed in claim 37, wherein the reaction takes place by addition of a further reactant of the inorganic polymerization by way of a further miniemulsion.

43. (previously presented) The method of claim 29, wherein said hydrophilic substance is water or a salt.

44. (previously presented) The method of claim 22, wherein said microemulsion comprises from 0.2 to 10% by weight water.

45. (new) A method of conducting polymerizations in nonaqueous miniemulsions, comprising producing a nonaqueous miniemulsion comprising reactants of a polymerization in a nonaqueous fluid dispersing medium, a surfactant and a hydrophilic osmotically stabilizing agent selected from the group consisting of water, a salt or a combination thereof in an amount sufficient to osmotically stabilize the miniemulsion, and polymerizing said reactants.

46. (new) The method as claimed in claim 45, wherein the polymerization is selected from addition polymerization reactions, polyaddition reactions, and polycondensation reactions.

47. (new) The method as claimed in claim 45, wherein the polymerization comprises an addition polymerization of acrylic or styrene monomers.

48. (new) The method as claimed in claim 45, wherein the polymerization comprises a polyaddition of polyfunctional epoxides with at least one of hydroxy, amino and thiol compounds.

49. (new) The method as claimed in claim 45, wherein the polymerization comprises a polyaddition of polyfunctional isocyanates with at least one polyfunctional hydroxy or amino compounds.

50. (new) The method as claimed in claim 45, wherein the polymerization comprises a polycondensation of polyfunctional carboxylic acids with polyfunctional hydroxy or amino compounds.

51. (new) The method as claimed in claim 45, wherein the average particle size of the emulsion is situated in the range from 30 to 600 nm.

52. (new) The method as claimed in claim 45, wherein an emulsion is produced which is critically stabilized or thermodynamically stable with respect to an alteration in particle size.

53. (new) The method as claimed in claim 45, wherein the emulsion further comprises dispersed therein particulate solids.

54. (new) The method as claimed in claim 53, wherein the polymerization takes place without substantial alteration in the particle size.